



Multi-year RA Costs

- Consideration of the potential costs of a multi-year Resource Adequacy program is included in the scope of R.14-02-001
- An analysis of potential costs will help determine the most cost-effective reliability enhancement





Multi-year RA Costs

The multi-year program design will determine costs:

- 1. Forward procurement years: 2, 3 or more
- 2. Duration of the program: temporary or permanent
- Types of capacity included: system, local, flexible, subsets of flexible capacity
- 4. Required procurement percentages in forward years





Forward Procurement Years

Each additional year added to the current yearahead RA program will:

- 1. Increase the risk of forecasting errors
- 2. Increase capital costs
- 3. Limit LSE procurement flexibility
- 4. Increase administrative costs





Program Duration

The total costs of multi-year RA will depend on the program duration.

- 1. A temporary program:
 - a) May end at a set date (e.g. 2020)
 - b) May end based on reliability assessment
- 2. A permanent program:
 - a) Regular re-evaluation to consider modifications





Capacity Types Included

- 1. Each type of capacity required will add to costs and should be evaluated for its contribution to reliability
- 2. To minimize costs, only future capacity procurement which provides a benefit should be mandated
- System, local and flexible capacity may be included in any combination to determine the least cost design





Future Procurement Percentages

- RA program currently mandates year-ahead capacity requirements of 100% for local and 90% for system
- The percentages set for forward years will impact the costs, including the risk of stranded costs
- To minimize costs the lowest percentages should be set for each future year which provides the desired level of reliability enhancement





Summary

- R.14-02-001 calls for an analysis of the costs associated with a multi-year RA design.
- This cost analysis will be complex and involve multiple variables and program design options
- Costs are an important consideration of any multi-year framework
- ORA recommends: a working group to develop a cost analysis methodology for multi-year RA

